IN THE CLAIMS

- 1. (currently amended) An installation for processing plate-shaped substrates, especially for coating panes of glass, comprising a transport path on which the substrates to be processed are successively fed to a processing station, and emprising a light barrier over the transport path in order to be able to control the flow of the substrates, wherein the light barrier comprises emists of an emitter which emits a light beam over the transport path to a receiver connected to an electronic evaluation device, which is installed such that, as a result of the shading of the receiver by the substrates guided over the transport path, it generates a switching signal which indicates the presence of a substrate in the light beam, wherein characterised in that the receiver (14) has a plurality of light-sensitive cells (16) arranged one above the other, wherein the evaluation circuit (6) is set up such that the switching signal is emitted when more than a certain minimum number of cells is shaded.
- 2. (currently amended) The installation according to claim 1, wherein characterised in that a part of the cells (16) forms a detection region (18) and that the switching signal is emitted when more than a certain minimum number of cells (16) is shaded in the detection region (18).
- 3. (currently amended) The installation according to claim 2, wherein characterised in that the minimum number of cells (16), the shading of which triggers a switching signal, is determined such that the vertical region covered thereby is smaller than the smallest substrate height to be processed by the installation.
- 4. (currently amended) The installation according to <u>claim 1</u>, <u>wherein</u> any one of the preceding claims, characterised in that the switching signal contains the number of shaded cells (16).
- 5. (new) The installation according to claim 2, wherein the switching signal contains the number of shaded cells.
- 6. (new) The installation according to claim 3, wherein the switching signal contains the number of shaded cells.